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# FIG. 1

## HEAVY CHAIN

QVQLESGAVLARPGTSVKISSCKASGENIK DYMH WVKQRPGQGLEWIG GNDPANGHSMYDPKFQG

FR1 CDR1 FR2 CDR2

RVTTADTSTSTMELSSRLSEDTAVYYCAR DSGYAMDY WGQGTLYTVSS

FR3 CDR3 FR4

ASTKGPSVFPLAPCSRSTSESTAALGCIWIKDVFPEPTYSWNSGALTSGWHTFPAVLQSSGLYSISSLGTTKTYTCNVDHKPSNTK  
VDKRVESKYGPBPCCPAPEFLGAPSVFLEPPKPKDTLMISRTPEVTCWYDVSQEDPEVQENWYDGVEVHNAAKTPREEQFNSTYRVVS  
VLTVLHQDWLNGKEYKCKVSNKGLPSSJEKTISKAKCQPREPQVYTLPPSQEEMTNQVSLTCLVKGFYPSDAVEWESNCQOPENNYKTP  
PVLDSDGSEFLFLYSRLTVDKSRWQEGNVTSCSVMHEALTHNHYTQKSLSLIGK

## LIGHT CHAIN

DIQMTQSPSSLSASVGDRVTITCKASQDIKSEL SWYQQKPEKAPKSLIYATSLADGPSRFSGSGCTDYLTTSSLQPEDFATYCLQHGES  
PYTFGGGTKEIKRTIAAPSVEIPEPPSDEQLKSCTASWVCLINFTPREAKYQWKVDNALQSGNSQESVTEQDSKDSTYISSTTLISKADY  
EKHHKVYACEVTHQGLSSPVTKSFRGEC

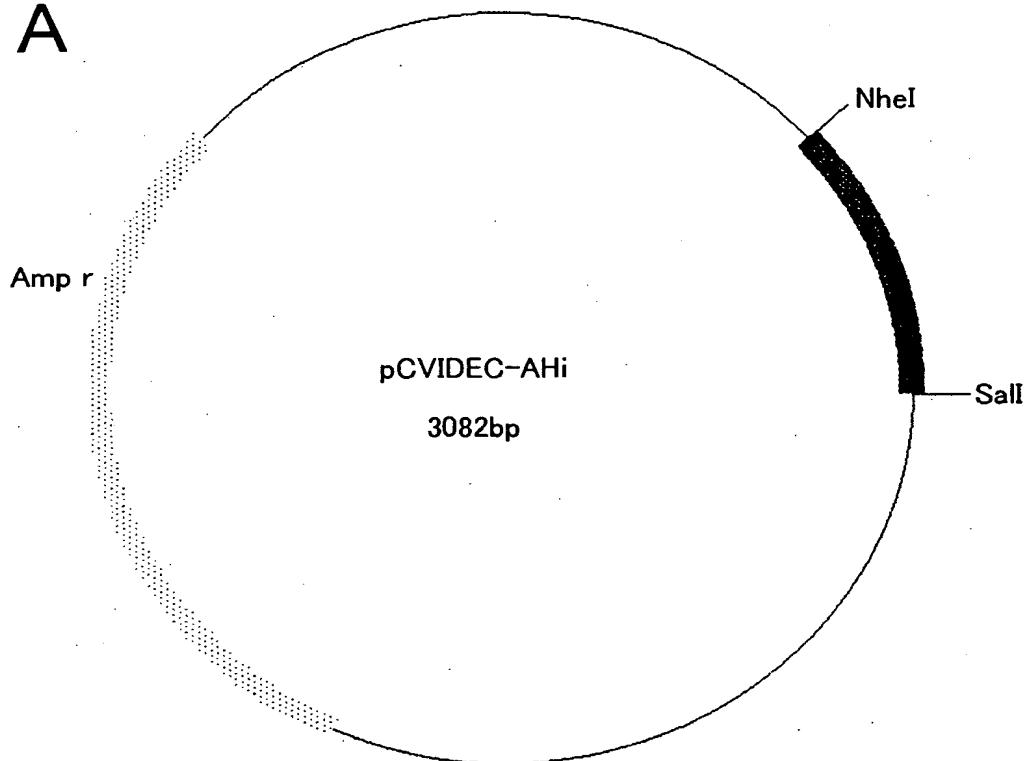
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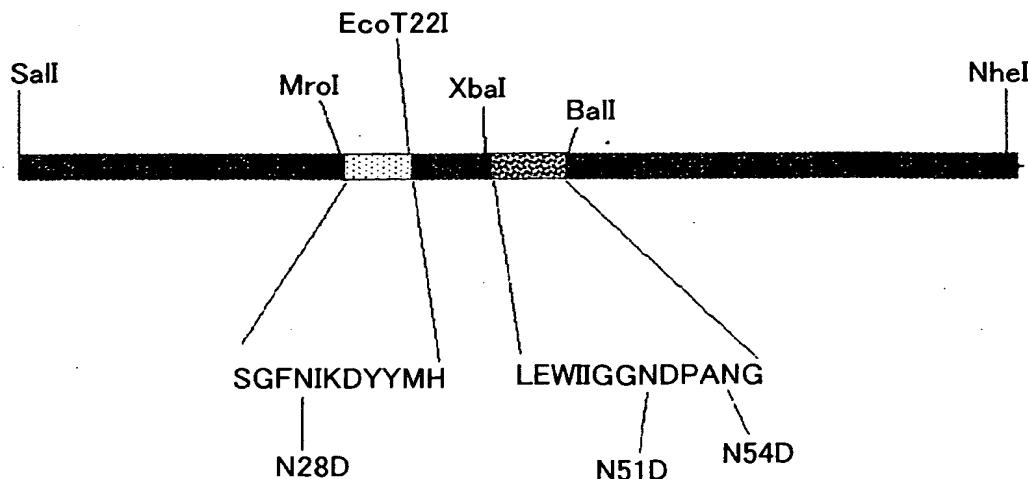
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## FIG. 2

A



B

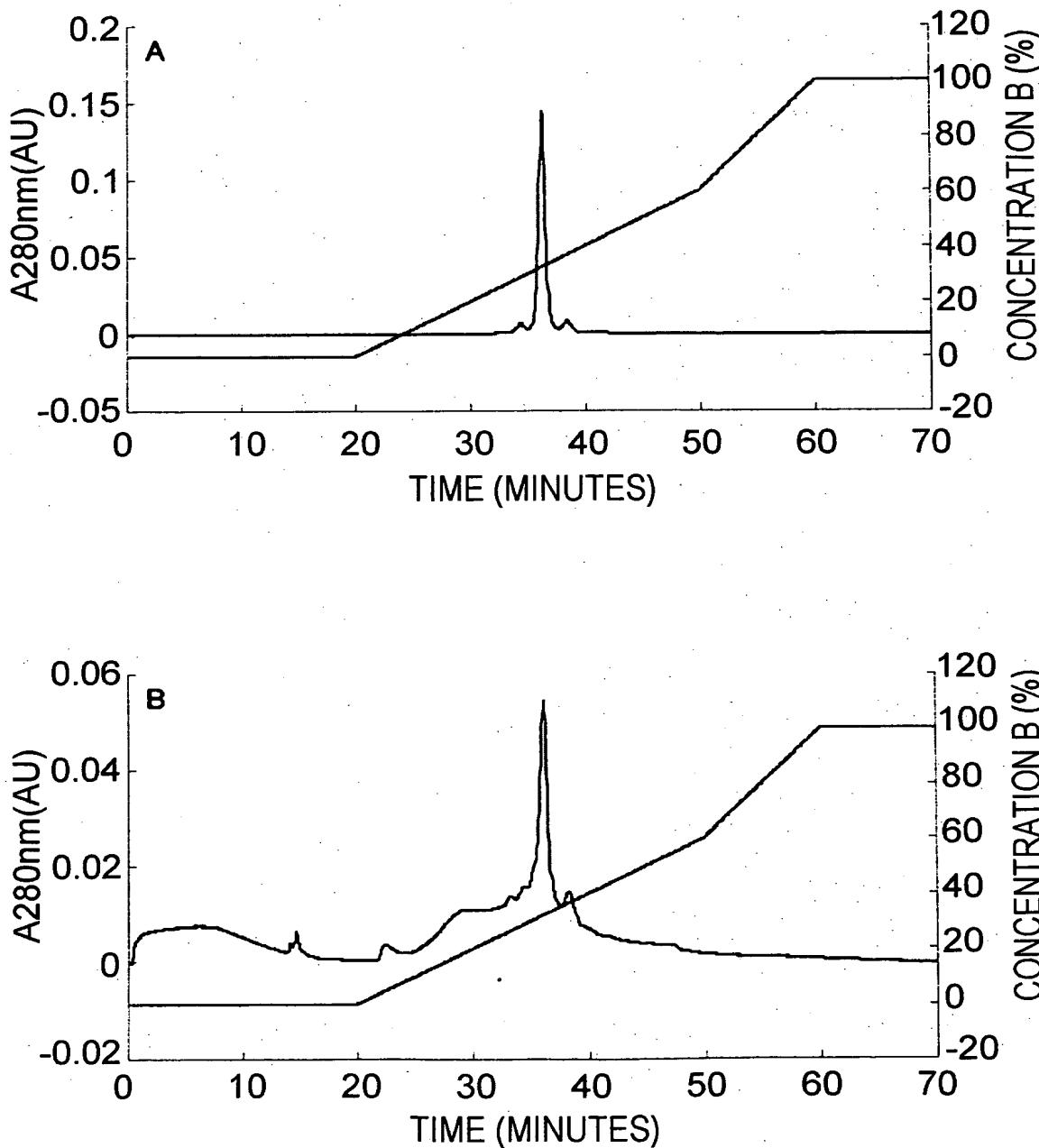
HEAVY CHAIN VARIABLE REGION OF  
ANTI-HUMAN TF ANTIBODY (425 bp)

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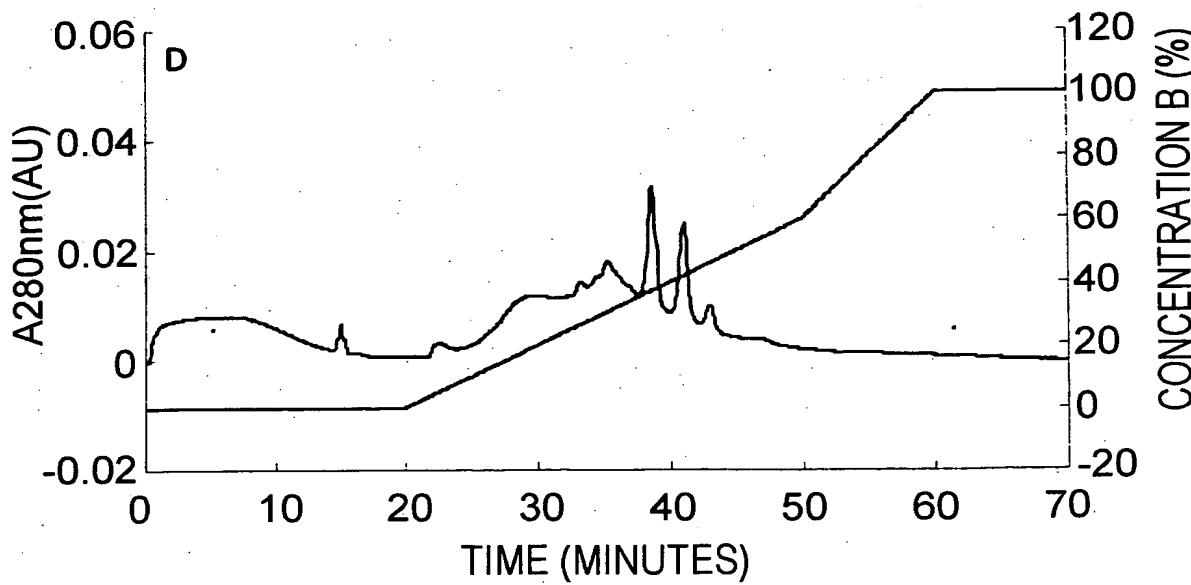
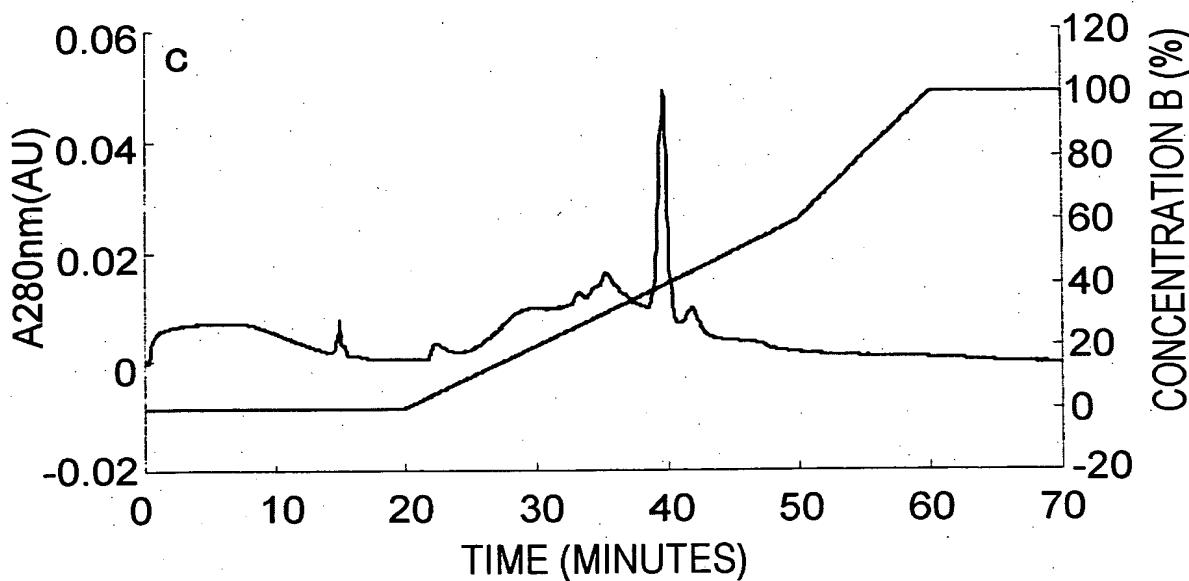
FIG. 3



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FIG. 4

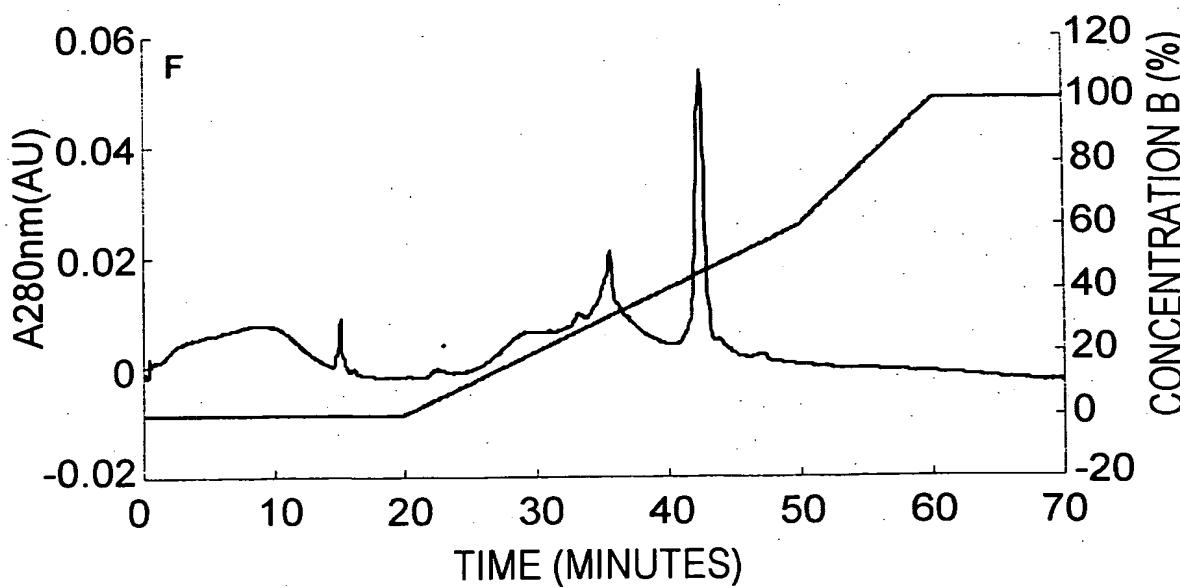
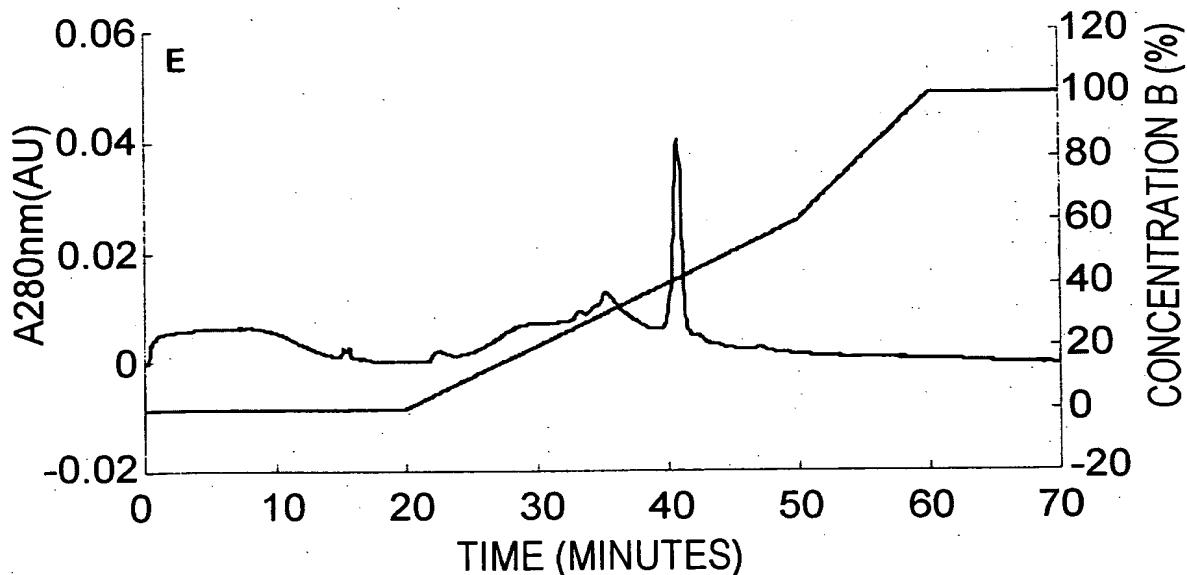


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FIG. 5

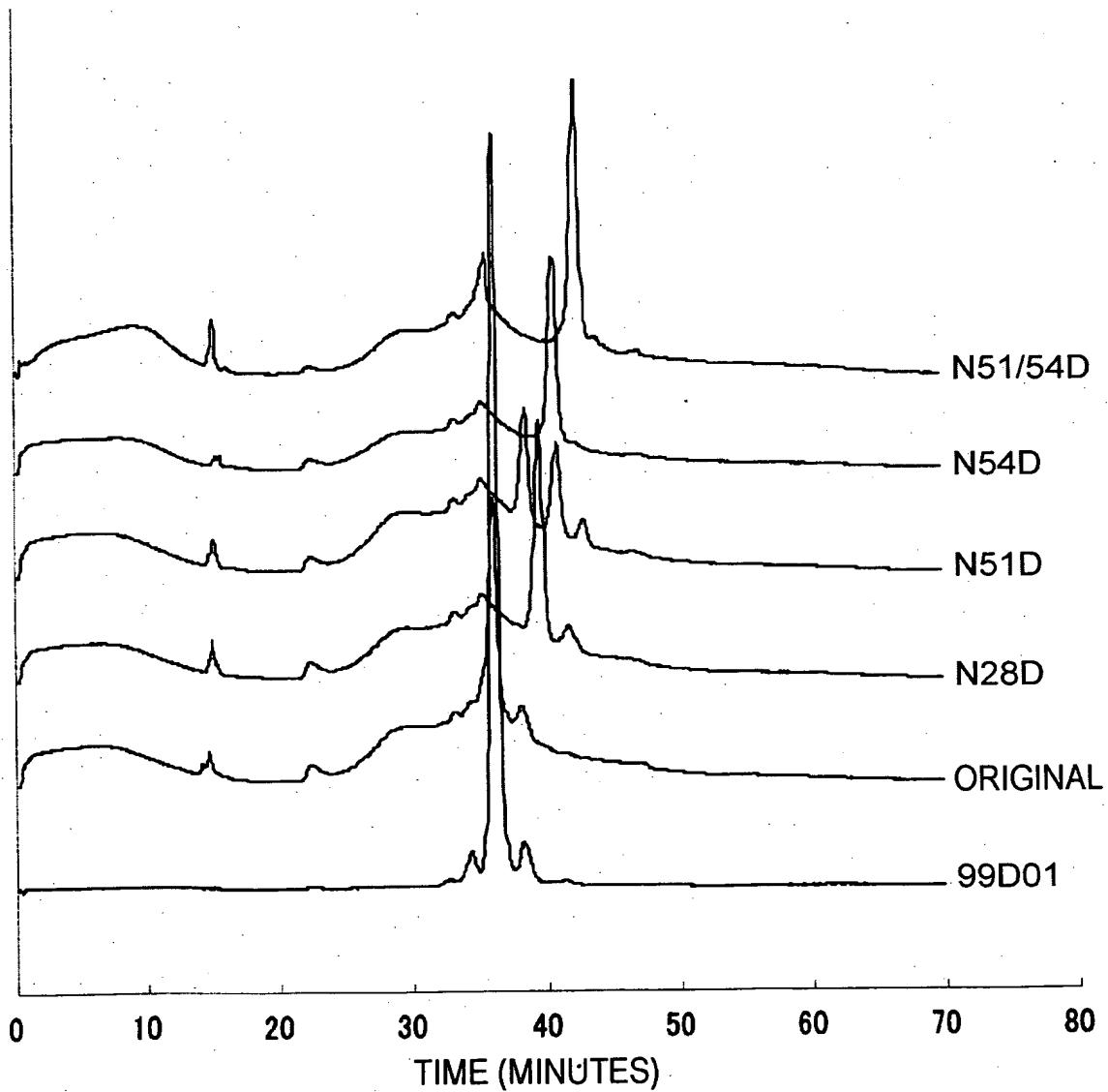


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FIG. 6

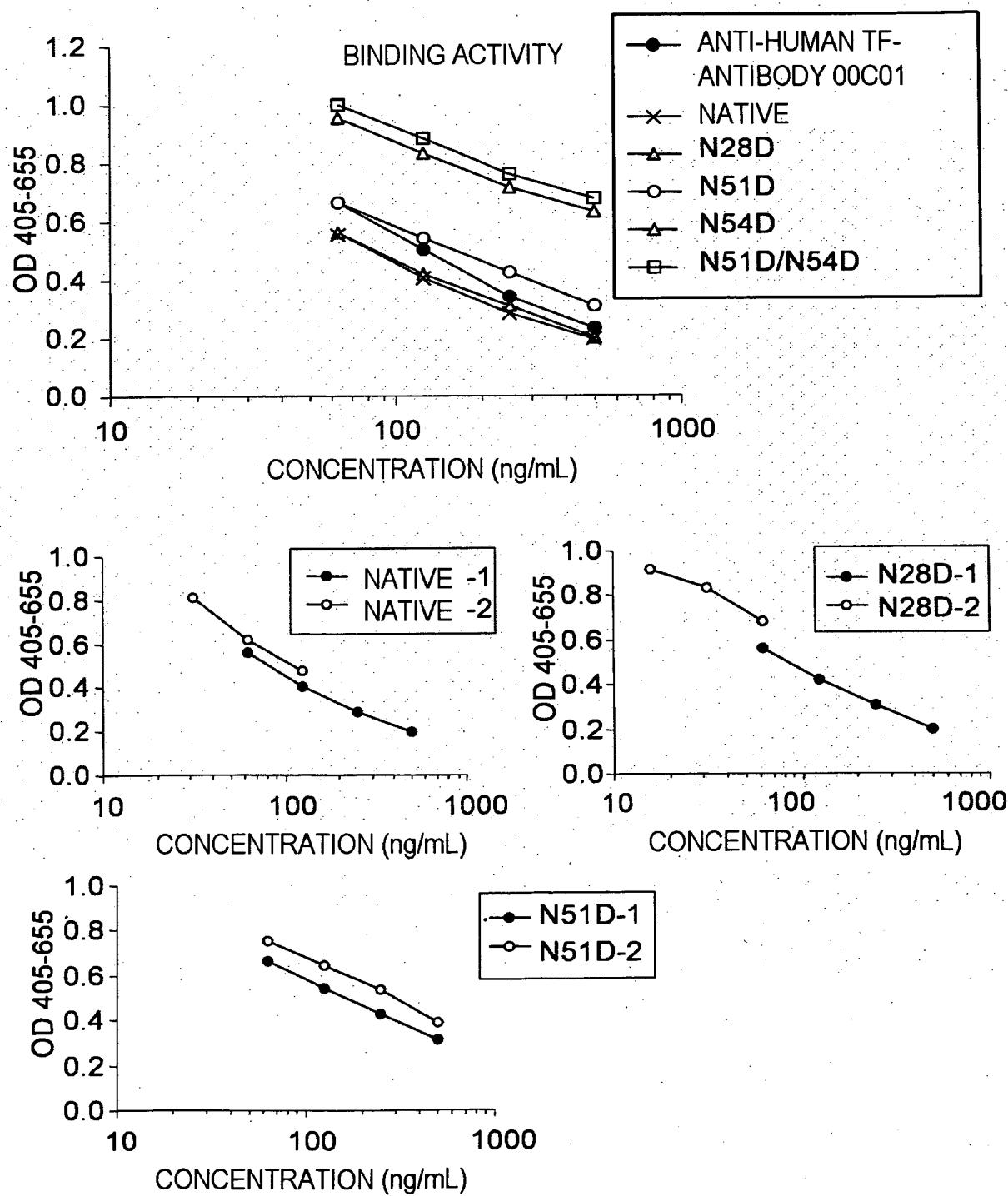


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FIG. 7

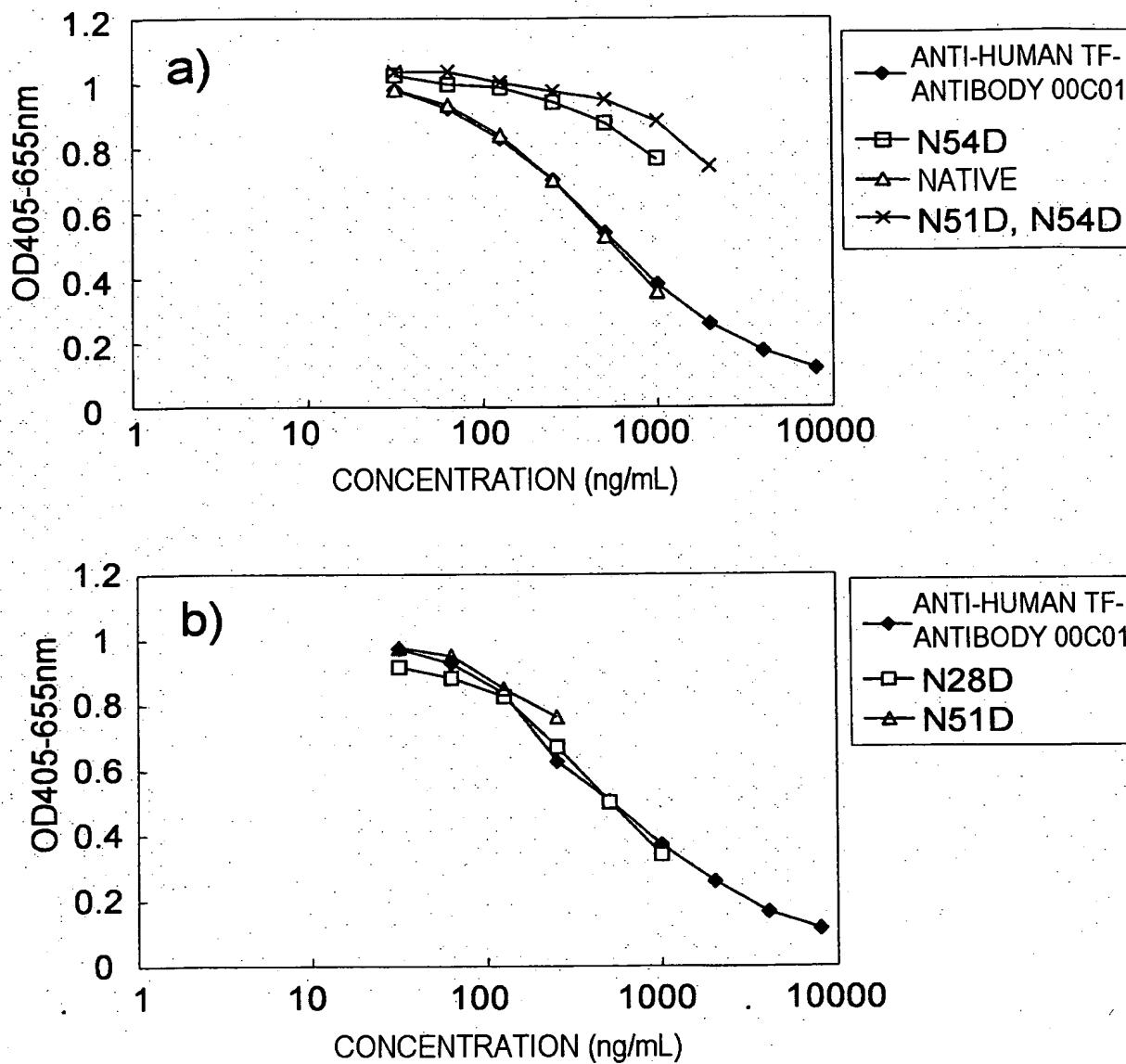


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FIG. 8



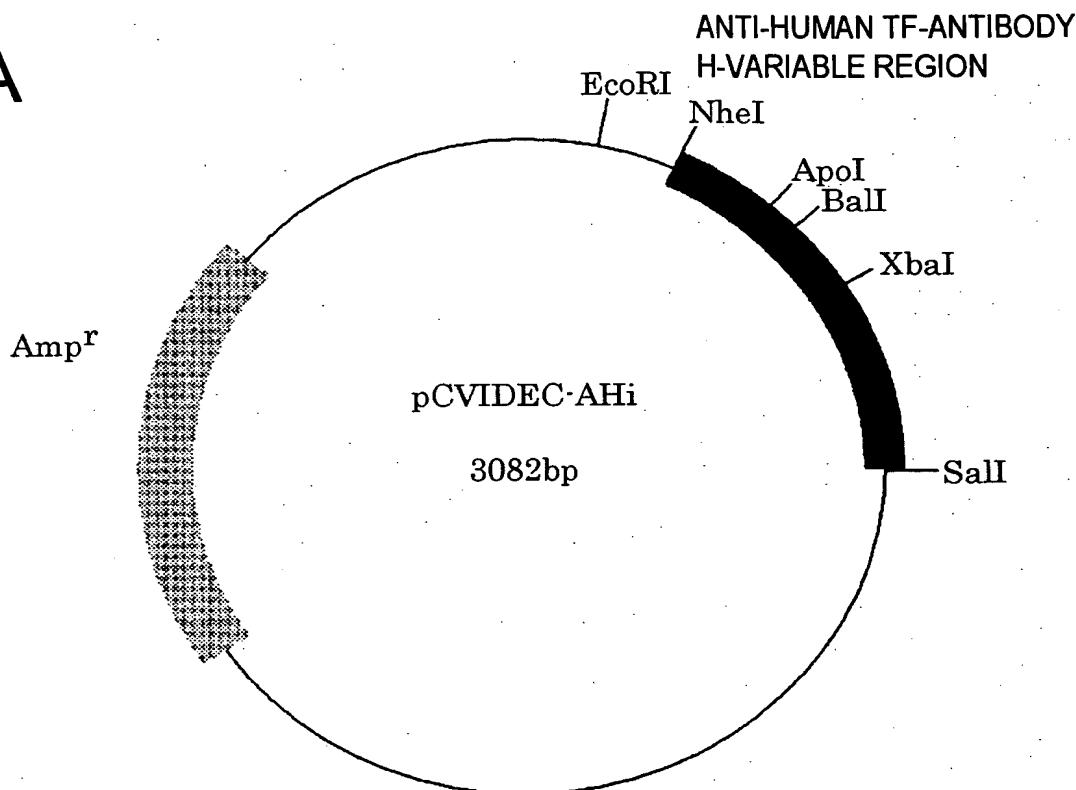
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## FIG. 9

A



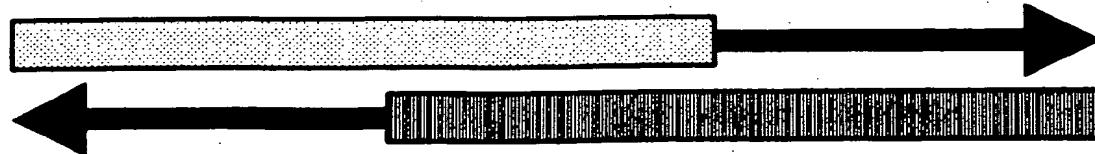
B

5' GAGTCTAGAATGGATTGGTGGGAATGATCCTGCGAAT [REDACTED]  
CTCAGATCTTACCT AACCAACCCTT ACTAGGACGCTTANN 5'  
3'

XbaI

BamHI

C



XbaI

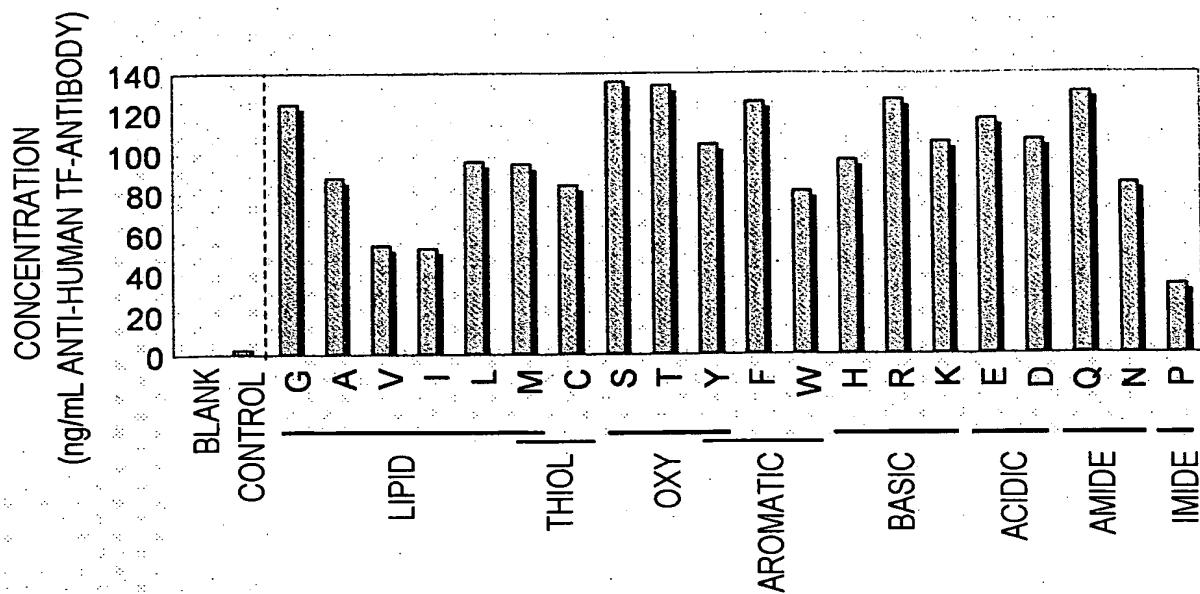
ApoI

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## FIG. 10



SAMPLE: 100 ng/mL

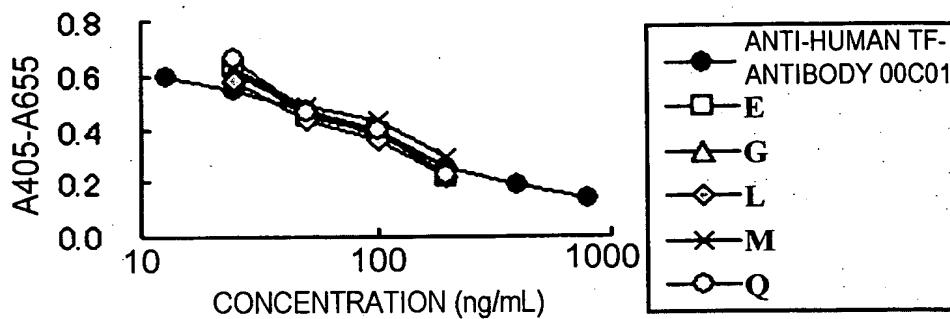
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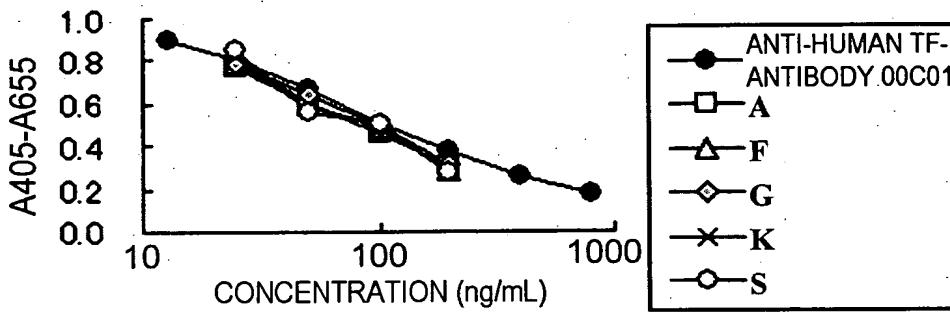
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FIG. 11

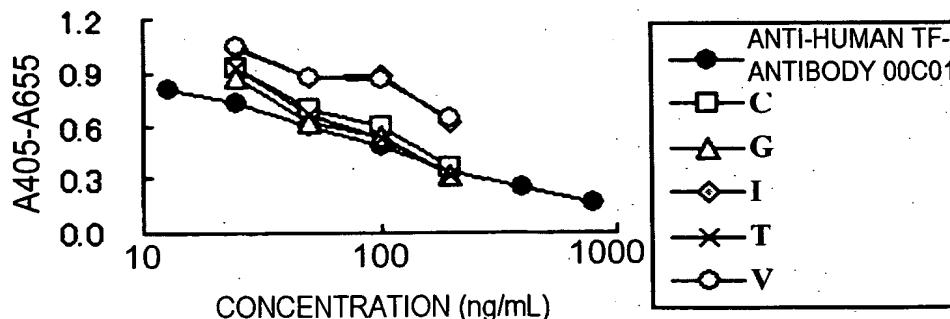
(a)



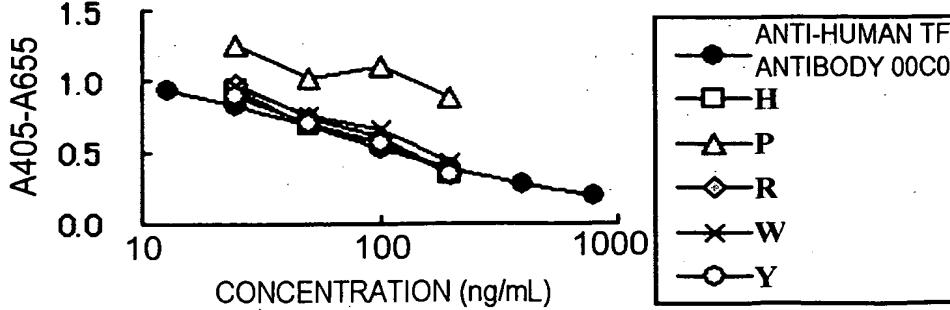
(b)



(c)



(d)

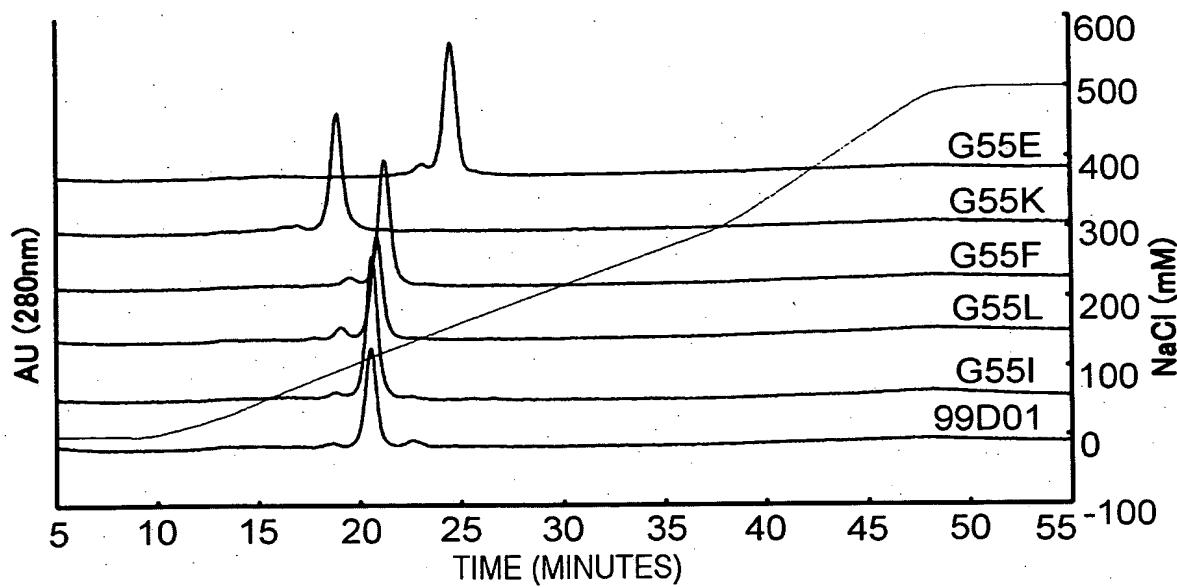


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FIG. 12

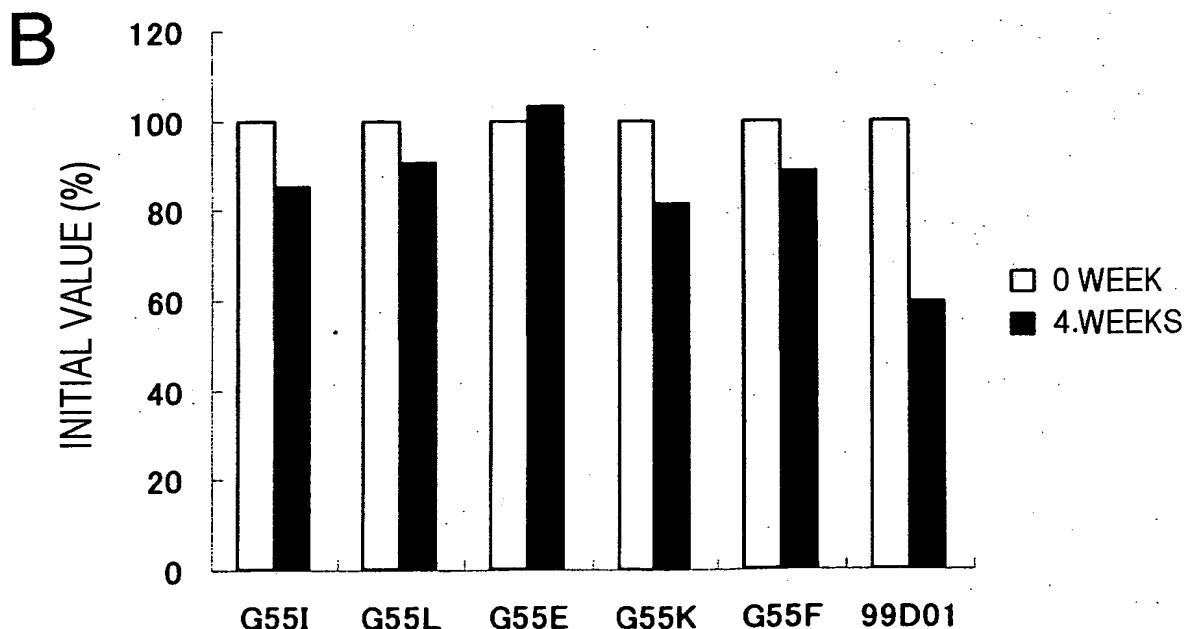
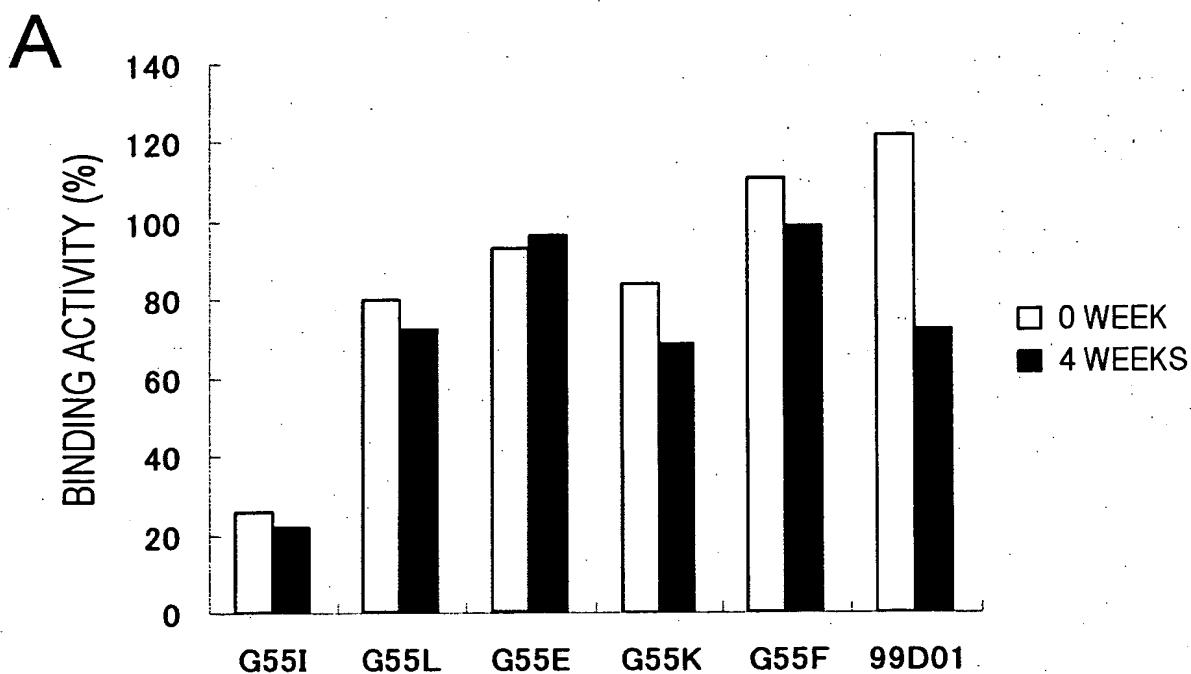


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FIG. 13

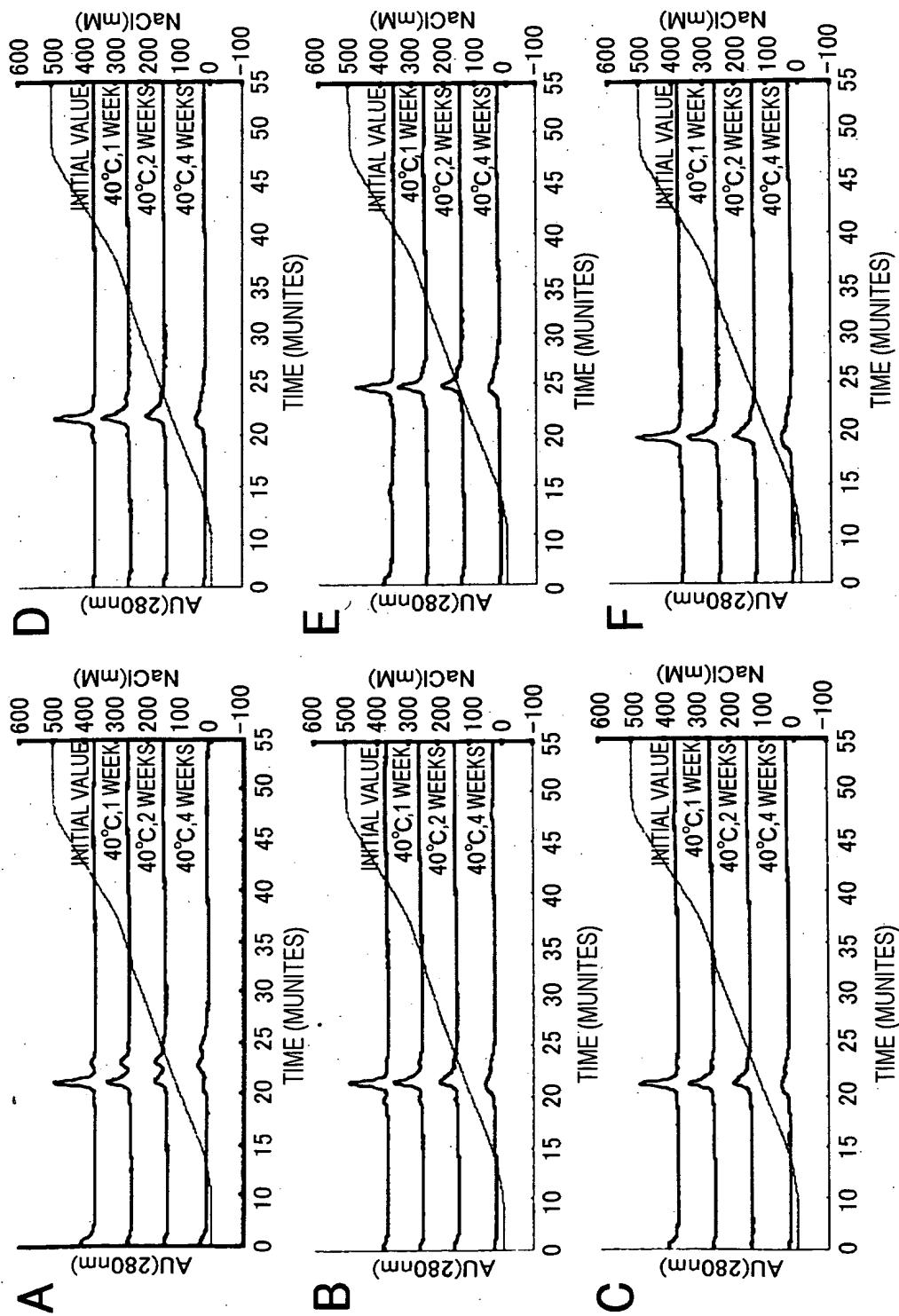


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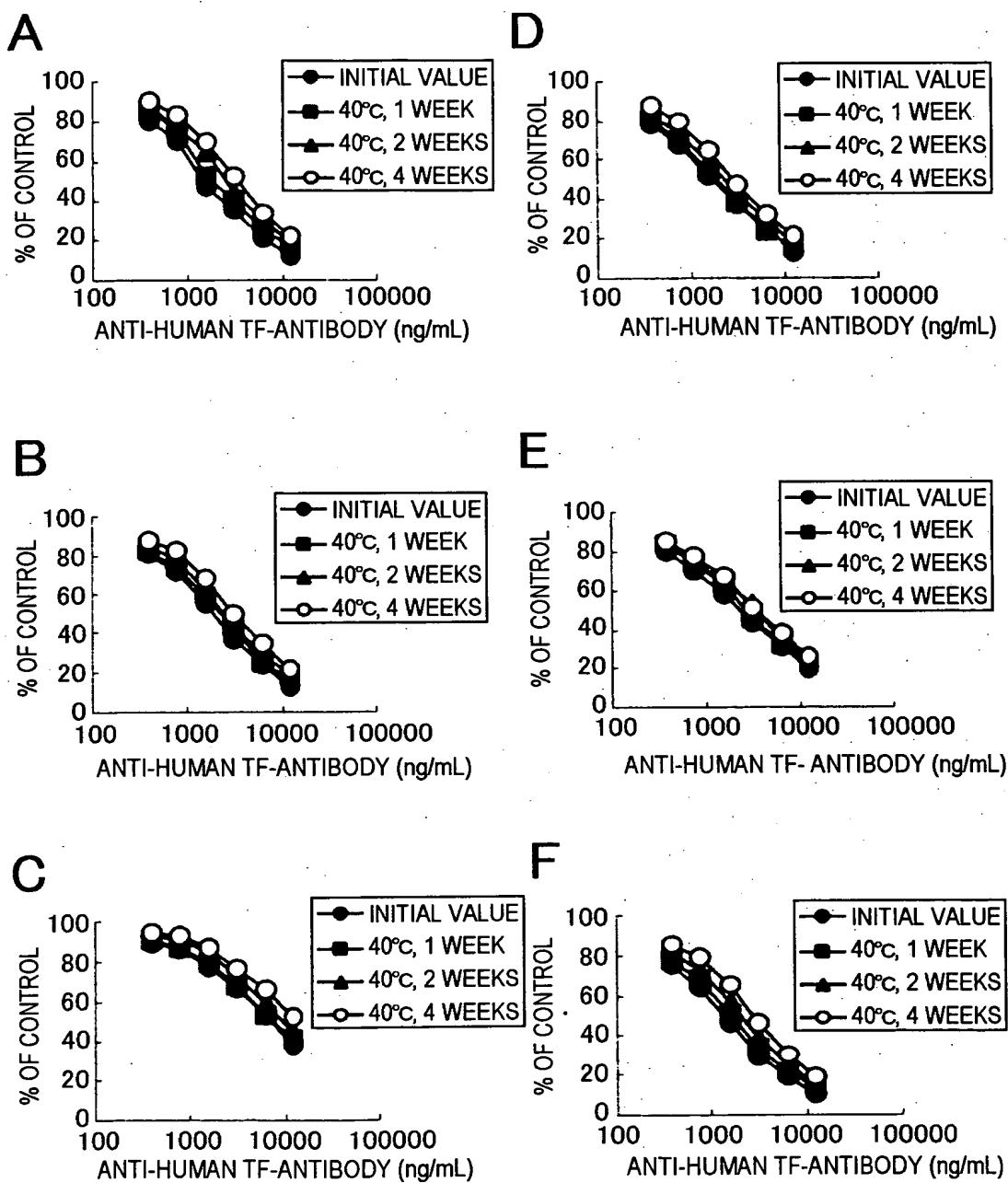
FIG. 14



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FIG. 15

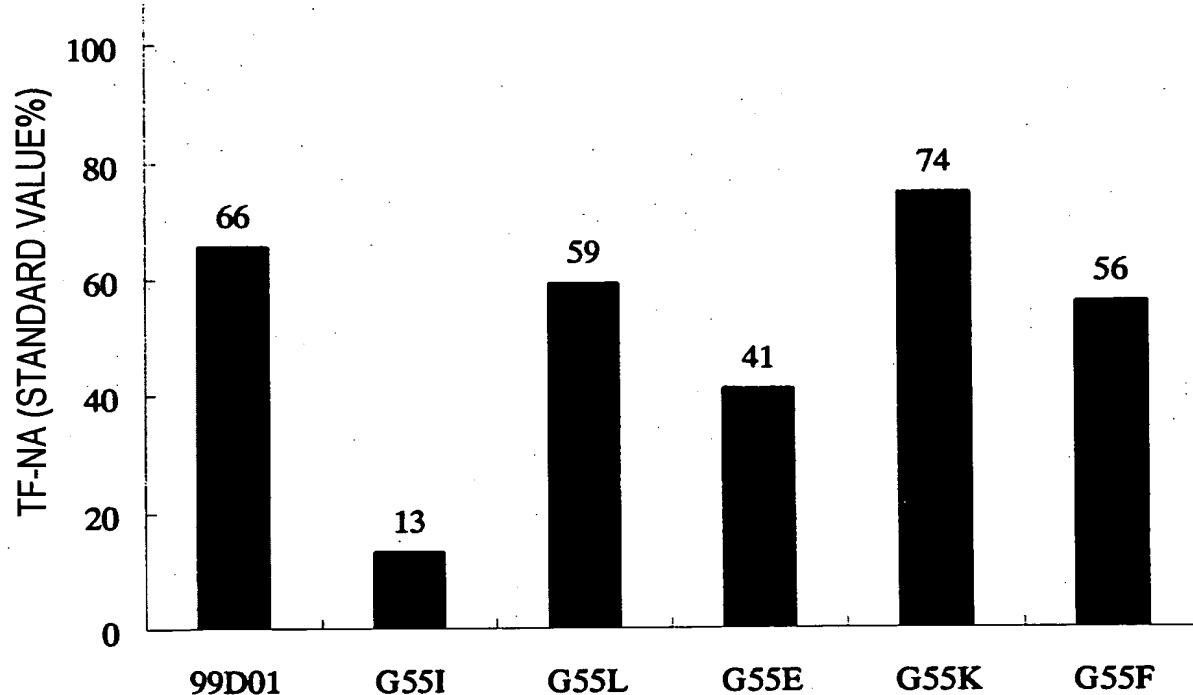


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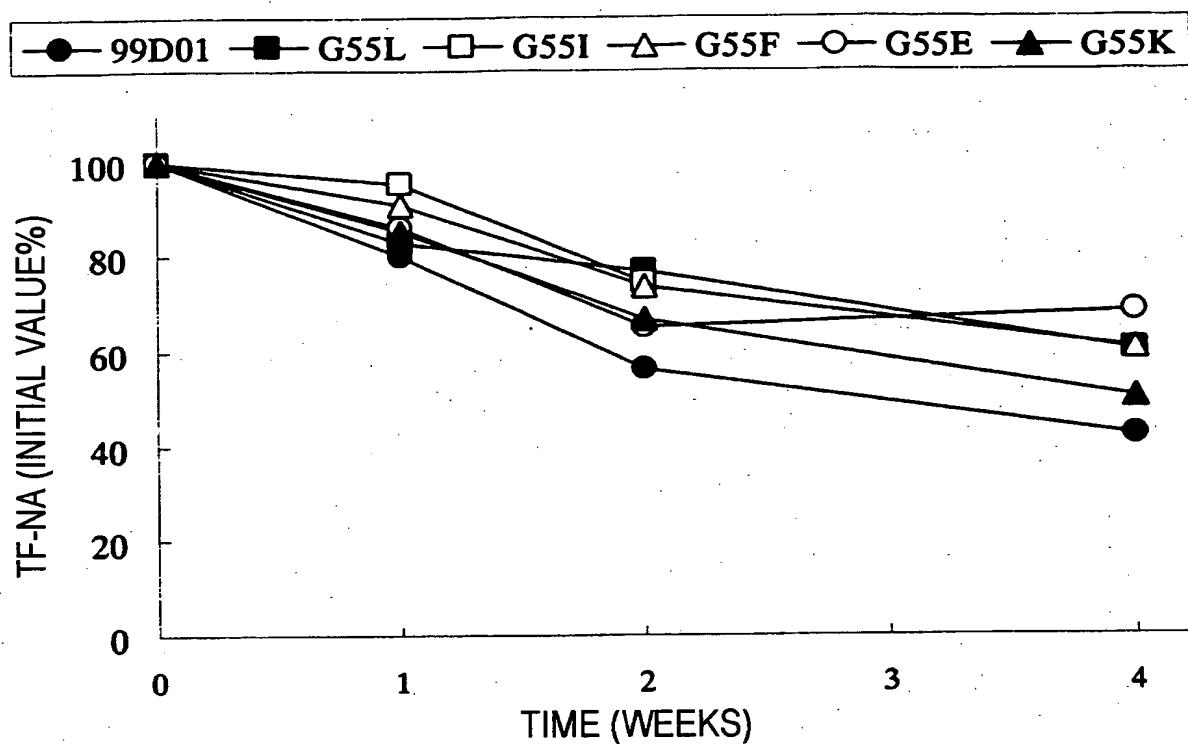
FIG. 16



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FIG. 17



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